CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

- 1. (Original) A label comprising:
- (A) a polymer facestock having an upper surface and a lower surface;
 and
- (B) an adhesive layer derived from at least one two-part, high solids curable adhesive overlying the lower surface of the polymer facestock.
- 2. (Original) The label of claim 1, wherein the adhesive cures without application of an external energy source.
- 3. (Original) The label of claim 1, wherein the two-part curable adhesive further comprises a tackifier or plasticizer, or a mixture thereof.
- 4. (Original) The label of claim 1, wherein the two-part curable adhesive has an initial tack sufficient to remain in a position when applied to a substrate.
- 5. (Original) The label of claim 1, wherein the two-part curable adhesive, when applied to the label, has a viscosity in the range from about 30,000 cps to about 120,000 cps.
- 6. (Original) The label of claim 1, wherein the coat weight of the adhesive layer is from about 5 to about 30 g/m².
- 7. (Previously presented) The label of claim 1, wherein the polymer facestock comprises a polyester or poly- α -olefin or metallized polyolefin, or polylactic acid polymer.

- 8. (Previously presented) The label of claim 7, wherein the polymer facestock comprises a biaxially oriented polypropylene or a biaxially oriented polyethylene terephthalate.
- 9. (Original) The label of claim 1, wherein the upper surface of the polymer facestock is corona treated or flame treated.
- 10. (Original) The label of claim 1, further comprising a barrier or tie coating layer between the polymer facestock and the two-part curable adhesive.
- 11. (Original) The label of claim 1, further comprising a print layer overlying the upper surface of the polymer facestock.
- 12. (Original) The label of claim 11, further comprising a transparent protective layer overlying the print layer.
- 13 . (Previously presented) The label of claim 12, wherein the protective layer comprises a polyamide, polyurethane, cellulosic polymer, silicone polymer, or any combination thereof.
- 14. (Original) The label of claim 11, further comprising a transparent abrasion, chemical, and/or ultraviolet resistant layer overlying the print layer.
- 15. (Original) The label of claim 11, further comprising an adhesion promoting layer between the upper surface of the polymer facestock and the print layer.
- 16. (Original) The label of claim 11, further comprising a layer of ink receptive composition between the upper surface of the polymer facestock layer and the print layer.

- 17. (Previously presented) The label of claim 1, wherein the adhesive comprises (a) an epoxy resin and a primary amine, a carboxylic acid or a carboxylic anhydride or a mixture of two or more thereof; (b) a cyclic anhydride and a primary amine; (c) an oxazoline and a primary amine, a carboxylic acid or a carboxylic anhydride or a mixture of two or more thereof; (d) a carbodiimide and primary amine or a carboxylic acid; or (e) an isocyanate and a primary amine, an alcohol or a carboxylic acid, or a mixture of two or more thereof; or (f) a mixture of two or more of (a)-(e).
- 18. (Previously presented) The label of claim 1, wherein the two-part curable adhesive comprises:

at least one epoxy resin which is a diglycidyl ether of a bisphenol, a diglycidyl ether of an aliphatic glycol, an epoxidized olefin, a polymer- or rubber-modified epoxy resin, or a mixture of two or more thereof; and

at least one epoxy curing agent.

- 19. (Previously presented) The label of claim 18, wherein the epoxy curing agent comprises a primary amine, diamine or polyamine; or a carboxylic acid, dicarboxylic acid, polycarboxylic acid, or an anhydride of such acid.
- 20. (Original) The label of claim 18, wherein the two-part curable adhesive further comprises a reactive diluent.
- 21. (Previously presented) The label of claim 1, wherein the two-part curable adhesive comprises a cyclic anhydride and a primary amine.
- 22. (Previously presented) The label of claim 21, wherein the cyclic anhydride comprises a maleated polyolefin, terephthalic anhydride, naphthalic anhydride; pyromellitic dianhydride; 2,3,6,7-naphthalene tetracarboxylic dianhydride;

3,3',4,4'-diphenyl tetracarboxylic dianhydride; 1,2,5,6-naphthalene tetracarboxylic tetracarboxylic dianhydride; 2,2-bis(3,4-2,2',3,3'-diphenyl dianhydride; dianhydride; bis(3,4-dicarboxyphenyl) sulfone dicarboxyphenyl) propane dianhydride; bis(3,4tetracarboxylic dianhydride; 3,4,9,10-perylene dianhydride; naphthalene-1,2,4,5-tetracarboxylic ether dicarboxyphenyl) dianhydride; 2,6naphthalene-1,4,5,8-tetracarboxylic dianhydride; dianhydride; 2,7dichloronaphthalene-1,4,5,8-tetracarboxylic dichloronaphthalene-1,4,5,8-tetracarboxylic dianhydride; 2,3,6,7tetrachloronaphthalene-1,4,5,8-tetracarboxylic dianhydride; phenanthrene-1,8,9,10-tetracarboxylic dianhydride; 2,2-bis(2,3-dicarboxyphenyl) propane dianhydride; 1,1-bis(3,4dianhydride; 1,1-bis(2,3-dicarboxyphenyl) ethane dicarboxyphenyl) ethane dianhydride; bis(2,3-dicarboxyphenyl) methane (3,4bis(3,4-dicarboxyphenyl) methane dianhydride; bis dianhydride; dicarboxyphenyl) sulfone dianhydride; benzene-1,2,3,4-tetracarboxylic 3,4,3',4'-benzophenone tetracarboxylic dianhydride; 2,3,2',3'dianhydride: benzophenone tetracarboxylic dianhydride; 2,3,3',4'-benzophenone tetracarboxylic dianhydride; pyrazine-2,3,5,6-tetracarboxylic dianhydride; thiophene-2,3,4,5-tetracarboxylic dianhydride, or mixtures of two or more of the foregoing.

- 23. (Previously presented) The label of claim 21, wherein the primary amine comprises methylene dianiline, meta-phenylene diamine, paraphenylene diamine, 4,4'-diaminodiphenyl sulfone, 3,3'-diaminodiphenyl sulfone, 4,4'-diaminodiphenyl oxide, 2,4-diaminotoluene, 3,3'-diaminodiphenyl methane, 1,3-diamino propane, 1,4-diamino butane, 1,6-diamino hexane, 1,8-diamino octane, 1,12-diamino dodecane, or mixtures of two or more thereof.
- 24. (Previously presented) The label of claim 1, wherein the two-part curable adhesive comprises:

an oxazoline; and

a primary amine, a carboxylic acid or anhydride or a mixture of two or more thereof.

25. (Previously presented) The label of claim 24, wherein the oxazoline comprises 4,4', 5,5'-tetrahydro-2,2'-bisoxazole; a 2,2'-(alkanediyl) bis [4,5-dihydrooxazole], a 2,2'-(arylene) bis [4,5-dihydrooxazole], a alkylene bis 2-(arylene) [4,5-dihydrooxazole], a 2,2',2"-(arylene) tris [4,5-dihydrooxazole], oligomeric materials with pendent oxazoline groups or mixtures of two or more thereof.

26. (Previously presented) The label of claim 24, wherein the carboxylic acid or anhydride comprises a maleated polyolefin, terephthalic anhydride, naphthalic dianhydride; anhydride; pyromellitic 2,3,6,7-naphthalene tetracarboxylic dianhydride; 3,3',4,4'-diphenyl tetracarboxylic dianhydride; 1,2,5,6-naphthalene tetracarboxylic dianhydride; 2,2',3,3'-diphenyl tetracarboxylic dianhydride; 2,2bis(3,4-dicarboxyphenyl) propane dianhydride; bis(3,4-dicarboxyphenyl) sulfone dianhydride; 3,4,9,10-perylene tetracarboxylic dianhydride; bis(3,4dicarboxyphenyl) ether dianhydride; naphthalene-1,2,4,5-tetracarboxylic dianhydride; dianhydride; naphthalene-1,4,5,8-tetracarboxylic 2,6dichloronaphthalene-1,4,5,8-tetracarboxylic 2,7dianhydride; dichloronaphthalene-1,4,5,8-tetracarboxylic dianhydride; 2,3,6,7tetrachloronaphthalene-1,4,5,8-tetracarboxylic dianhydride; phenanthrenedianhydride; 1,8,9,10-tetracarboxylic 2,2-bis(2,3-dicarboxyphenyl) propane 1,1-bis(2,3-dicarboxyphenyl) ethane dianhydride; 1,1-bis(3,4dianhydride: dicarboxyphenyl) ethane dianhydride; bis(2,3-dicarboxyphenyl) methane dianhydride; bis(3,4-dicarboxyphenyl) methane dianhydride; bis (3,4dicarboxyphenyl) sulfone dianhydride; benzene-1,2,3,4-tetracarboxylic dianhydride; 3,4,3',4'-benzophenone tetracarboxylic dianhydride; 2,3,2',3'benzophenone tetracarboxylic dianhydride; 2,3,3',4'-benzophenone dianhydride; tetracarboxylic pyrazine-2,3,5,6-tetracarboxylic dianhydride;

thiophene-2,3,4,5-tetracarboxylic dianhydride, the corresponding acids of any of the foregoing anhydrides, or mixtures of two or more of the foregoing.

- 27. (Previously presented) The label of claim 24, wherein the primary amine comprises methylene dianiline, meta-phenylene diamine, paraphenylene diamine, 4,4'-diaminodiphenyl sulfone, 3,3'-diaminodiphenyl sulfone, 4,4'-diaminodiphenyl oxide, 2,4-diaminotoluene, 3,3'-diaminodiphenyl methane, 1,3-diamino propane, 1,4-diamino butane, 1,6-diamino hexane, 1,8-diamino octane, 1,12-diamino dodecane or mixtures of two or more thereof.
- 28. (Currently amended) The label of claim 1, wherein the two-part curable adhesive comprises:

a carbodiimide; and primary amine or a carboxylic acid, or a mixture of two or more thereof.

29. (Original) The label of claim 28, wherein the carbodiimide has the general structural formula:

R-N=C=N-R'

or

$$R-N=C=N-[R-N=C=N]_x-R'$$

wherein R and R' are independently a substituted or unsubstituted, branched or unbranched aliphatic or aromatic hydrocarbyl group and x = 1 to about 100.

30. (Previously presented) The label of claim 28, wherein the primary amine comprises methylene dianiline, meta-phenylene diamine, paraphenylene diamine, 4,4'-diaminodiphenyl sulfone, 3,3'-diaminodiphenyl sulfone, 4,4'-diaminodiphenyl oxide, 2,4-diaminotoluene, 3,3'-diaminodiphenyl methane, 1,3-

diamino propane, 1,4-diamino butane, 1,6-diamino hexane, 1,8-diamino octane, 1,12-diamino dodecane or mixtures of two or more thereof.

31. (Previously presented) The label of claim 28, wherein the carboxylic acid comprises a dicarboxylic acid having the general formula:

wherein R is a saturated or unsaturated aliphatic or an aromatic moiety having from 2 to about 30 carbon atoms.

32. (Previously presented) The label of claim 1, wherein the two-part curable adhesive comprises:

an isocyanate; and

a primary amine, an alcohol or a carboxylic acid, or a mixture of two or more thereof.

33. (Original) The label of claim 32, wherein the isocyanate is a compound having the following formula:

$$Q(NCO)_n$$
,

wherein n=2-4, and Q denotes an aliphatic hydrocarbon group having 2 to about 18 carbon atoms, a cycloaliphatic hydrocarbon group having from 4 to about 15 carbon atoms, an aromatic hydrocarbon group having from 6 to about 18 carbon atoms, or an aryl-aliphatic hydrocarbon group having from about 8 to about 15 carbon atoms.

- 34. (Previously presented) The label of claim 33, wherein the amine comprises an aliphatic, aromatic or aryl-aliphatic diamine or polyamine having a molecular weight of from about 60 to about 300.
- 35. (Previously presented) The label of claim 33, wherein the alcohol comprises a saturated or unsaturated polyhydric alcohol having a molecular weight in the range from about 62 to about 400.
- 36. (Previously presented) The label of claim 33, wherein the carboxylic acid comprises a dicarboxylic acid having the general formula:

wherein R is a saturated or unsaturated aliphatic or an aromatic moiety having from 2 to about 30 carbon atoms.

37. (Previously presented) A label comprising:

- (A) a polymer facestock having an upper surface and a lower surface, wherein the polymer facestock is a biaxially oriented polyethylene terephthalate or polypropylene; and
- (B) an adhesive layer derived from at least one high solids, curable adhesive composition comprising (a) an epoxy resin and a primary amine, a carboxylic acid or a carboxylic anhydride or a mixture of two or more thereof; (b) a cyclic anhydride and a primary amine; (c) an oxazoline and a primary amine, a carboxylic acid or a carboxylic anhydride or a mixture of two or more thereof; (d) a carbodiimide and primary amine or a carboxylic acid; or (e) an isocyanate and a primary amine, an alcohol or a carboxylic acid, or (f) a mixture of two or more thereof; or a mixture of two or more of (a)-(e).

- 38. (Withdrawn) A labeling process comprising the steps of (A) providing a substrate; (B) coating a two-part, high solids curable adhesive to one surface of a polymeric facestock; and (C) applying the adhesive coated surface of the polymeric facestock to the substrate.
- 39. (Withdrawn) The labeling process of claim 38, wherein the substrate is glass, plastic or metal.
- 40. (Withdrawn) The labeling process of claim 38, wherein the adhesive comprises (a) an epoxy resin and a primary amine, a carboxylic acid or a carboxylic anhydride or a mixture of two or more thereof; (b) a cyclic anhydride and a primary amine; (c) an oxazoline and a primary amine, a carboxylic acid or a carboxylic anhydride or a mixture of two or more thereof; (d) a carbodiimide and primary amine or a carboxylic acid; or (e) an isocyanate and a primary amine, an alcohol or a carboxylic acid, or (f) a mixture of two or more thereof; or a mixture of two or more of (a)-(e).
- 41. (Withdrawn) The labeling process of claim 38, wherein the polymer facestock is a biaxially oriented polyethylene terephthalate or polypropylene.
- 42. (Previously presented) The label of claim 25 wherein the oxazoline comprises 2,2'-(1,4-butanediyl) bis [4,5-dihydrooxazole], 2,2'-(1-methyl-1,3-propanediyl) bis (4,5-dihydrooxazole), 2,2'-(1,4-phenylene) bis [4,5-dihydrooxazole], 2,2'(1,5-naphthalenyl) bis [4,5-dihydrooxazole], 2,2'-(1,8-anthracenyl) bis [4,5-dihydrooxazole], methylene bis 2-(1,4-phenylene) [4,5-dihydrooxazole], 2,2',2"-(1,3,5-phenylene) tris[4,5-dihydrooxazole], poly [2-(alkenyl) 4,5-hydrooxazole], or mixtures of two or more thereof.
- 43. (Previously presented) The label of claim 18, wherein the primary amine comprises methylene dianiline, meta-phenylene diamine, paraphenylene

diamine, 4,4'-diaminodiphenyl sulfone, 3,3'-diaminodiphenyl sulfone, 4,4'-diaminodiphenyl oxide, 2,4-diaminotoluene, 3,3'-diaminodiphenyl methane, 1,3-diamino propane, 1,4-diamino butane, 1,6-diamino hexane, 1,8-diamino octane, 1,12-diamino dodecane, or mixtures of two or more thereof.